

**Amendments to the Specification:**

Pursuant to 37 C.F.R. § 1.121(b) kindly amend the specification as follows. Amendments to the specification are made by presenting replacement paragraphs or sections marked up to show changes made relative to the immediate prior version. The changes in any amended paragraph or section are being shown by strikethrough (for deleted matter) or underlined (for added matter).

Page 7, in the Brief Description of the drawings, reverse the descriptions of figures 5 and 6, to match the detailed description of the drawing and the drawing sheet as amended:

Figure 5 is ~~a graph of an idealized accelerometer's frequency response~~ a cross-sectional view of an accelerometer with a mechanical filter that may be used as a sensor.

Figure 6 is ~~a cross-sectional view of an accelerometer with a mechanical filter that may be used as a sensor~~ a graph of an idealized accelerometer's frequency response.

Page 14, second paragraph (first full paragraph):

Figure 7 shows a typical accelerometer signal response to a single shot fired by a typical automatic or semi-automatic weapon. The first peak ~~71~~ is the result of the shot itself, the second peak ~~72~~ is generated by the bolt hitting the back of the bolt housing, and the third peak ~~73~~ is generated by the bolt forcing the next round into the chamber and rotating the lock closed. This third peak ~~73~~ is may not be present in ~~a~~some weapon types after the final round contained within a magazine has been fired.